# MAV (ATLANTIS) WASHER

# INSTALLATION

# INSTRUCTIONS

# SECTION 1. GENERAL INFORMATION

## WASHER PRE-INSTALLATION REQUIREMENTS

NOTE: ***Proper installation is the responsibility of the purchaser.***

Checkpoints for proper installation:

- Properly grounded electrical outlet is required. Use 15 amp fuse or comparable circuit breaker for electrical service.

- Standpipe Drain System must be able to accept 1½" O.D. drain hose. In cases where an air tight connection is required, an anti-siphoning valve, part number **12001586**, should be placed in the drain hose to prevent siphoning from the washer or facility during agitation. Standpipe height of 36" is recommended.

NOTE: ***If drain standpipe is in excess of 5 feet above floor level, install pump accessory kit, part number 12001587***

- These units are not equipped with a siphon break, and the drain hose must be elevated to a minimum height of 36". For installations with short standpipes, the drain hose must be supported by clipping the drain hose into the clip on the back of the washer. Then a coupler and additional hose lenghth is added to the existing drain hose.

- Hot and Cold water faucets should be within four (4) feet of the back of the washer. This allows for quick access for immediate shut off of the water.

- Water heater should be set to deliver a minimum of 120° (49°C) hot water to the washer.

- Do not store or operate washer in temperatures below freezing. This can cause damage to the pump, hoses and othe components. (See page 1-5 for long tern storage.)

- Water pressure of 20 - 120 P.S.I. is require to fill the washer in the appropriate tim frame. Pressures of less than 20 P.S.I. ma cause an extended or exceptionally lon fill time. Refer to the troubleshooting se tion for more information regarding a s lution for slow fill situations.

- Best performance is obtained with th washer installed on a solid floor. Wo floor constructions may need to be rei forced to minimize vibration from unb anced load situations. Carpets and s tile surfaces are also contributing facto in vibration and/or movement during t spin cycle. **Never install washer on pl form or weak support structure.**

## Electrical Requirements

1. Provide an individual 120 volt, 60 HZ, branch circuit with ground fo the washer. This circuit must be rated for 15 amperes or more.

2. Protect the washer's electrical circui with a 15 ampere time delay fuse o circuit breaker.

3. Install in accordance with National Electrical Code and all local codes and ordinances.

## GROUNDING INSTRUCTIONS

The washer must be grounded. In the event of a malfunction or breakdown,


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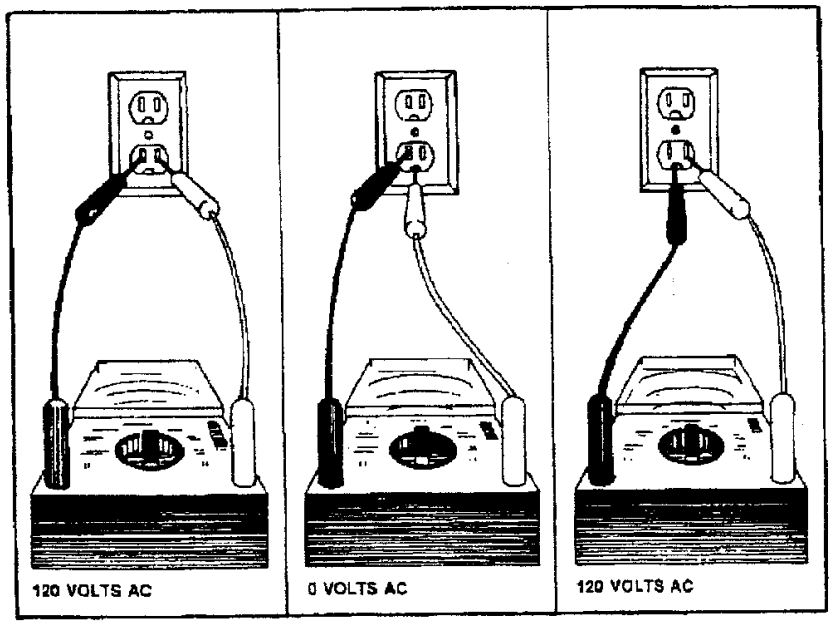
grounding will reduce the risk of electrical shock by providing a path of least resistance for electrical current.

The washer is equipped with a power supply cord which has a grounding conductor and three-prong grounding plug. For proper grounding, the three-prong grounding plug must be plugged into an appropriate three-prong grounded receptacle or outlet (see the following figure). The receptacle must be properly installed and grounded in accordance with the National Electrical Code and all local codes and ordinances.

**WARNING:** ***Improper connection of the grounding conductor or the three-prong grounding plug of the power supply cord cord may result in an electrical shock hazard. If there is any doubt as to whether the washer is properly grounded, have the installation checked by a qualified electrician.***

**DO NOT MODIFY THE PLUG PROVIDED WITH THE WASHER -** ***If the plug will not fit the outlet***, have a proper outlet installed by a qualified technician.




***WARNING:*** *For your safety and to protect the test equipment, be sure that the wall outlet is properly polarized and grounded.*

*Figure 1-2*

## UNCRATING INSTRUCTIONS

**NOTE:** ***The following steps must be performed in the correct order to ease uncrating.***

1. Remove the carton by cutting only marked areas of the carton. **CAUTION:** ***Hoses are connected to the washer.***

2. Lift the carton and top cap assembly up and clear of the washer. Carefully remove any packaging materials from the outside of the washer. **NOTE:** ***Retain the corner posts for later use.***

3. Untape and raise the washer lid; remove the items shipped in the spin basket. Save the literature for future reference. Close and retape lid.

4. Place three (3) corner posts and position them on the floor near the rear base of the washer. Place the remaining corner post on the floor approxi-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mately two (2) feet away. Carefully lay the washer on its back on top of the corner posts.

***DO NOT LOWER OR RAISE THE WASHER BY THE CONTROL PANEL.***

4. Remove the crate bottom from the washer. Pop the plastic loose from the screw located between the back feet, or remove the screw entirely with a screwdriver. ***(Figure 1-2)*** Pull the plastic base away from the back feet. Grasping the plastic base on the sides, pulling downward to release the front feet from the slots and toward you to remove the base. Discard the base (it can be recycled). **RETURN THE WASHER TO THE UPRIGHT POSITION.**

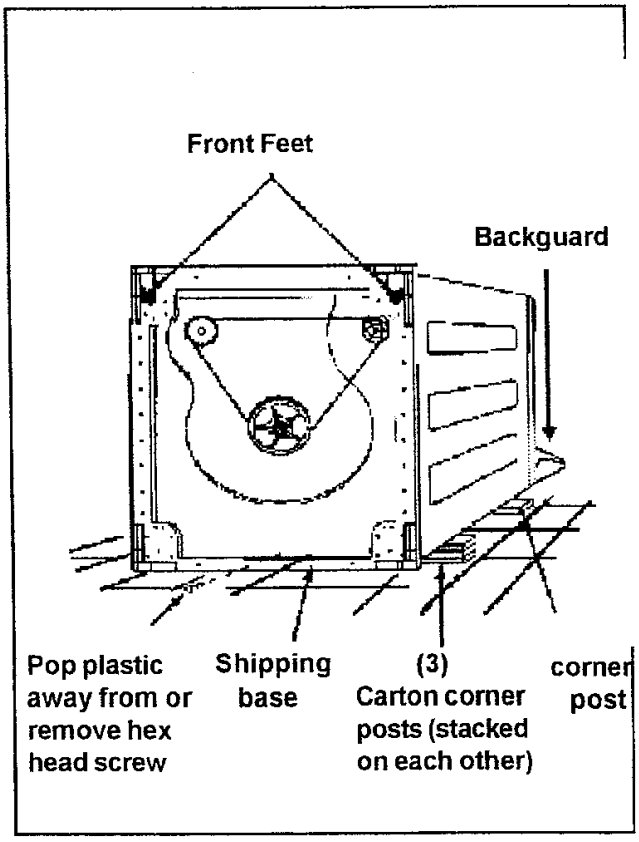
Front Feet
Backguard
Pop plastic away from or remove hex head screw
Shipping base
(3) Carton corner posts (stacked on each other)
corner post

Figure 1-2

## INSTALLATION PROCEDURE

***NOTE: Proper installation is the respon sibility of the purchaser.***

***However, service calls performed as a re sult of improper setup, adjustment and connection are the responsibility of the installer.***

**Proceed as follows:**

1. Place the washer as close to its final operating location as possible.
2. Make sure rear feet move up and down freely.
3. Place washer in final location.

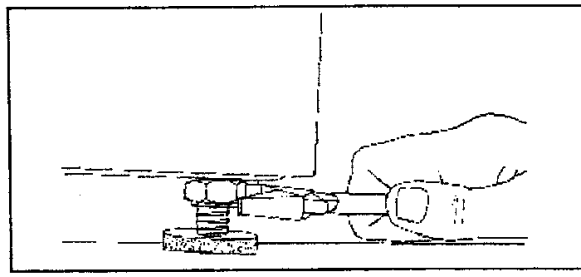

Figure 1-2

4. When the machine is in place, screw fr feet out of base against the floor until t machine is level across the top front of t washer.
5. While holding foot still, turn the adjusti locknut clockwise until the nut is tight- ened firmly against base. ***(Figure 1-2***
6. Tilt machine forward until rear of cabin is approximately 4 inches off the floor, then lower the machine back to the flo on the rear feet. This operation will cause the rear stabilizing feet to confo to the contour of the floor and seat the solidly. Push washer with hands on opposite corners to check stability. ***(Figure 1-3)***


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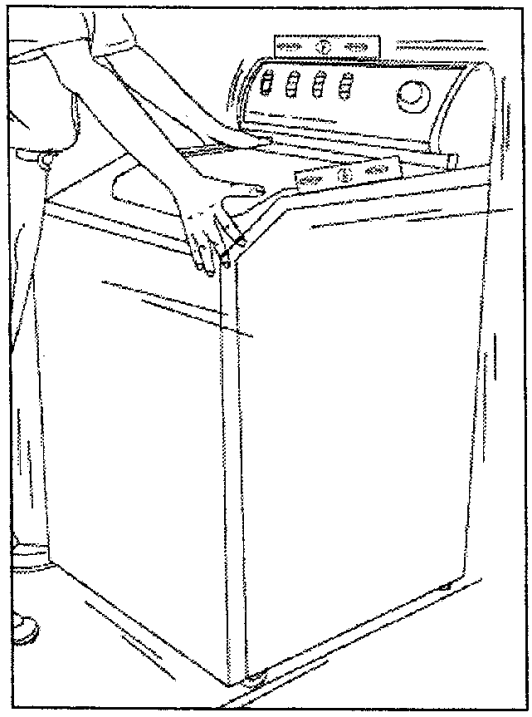

Figure 1-3

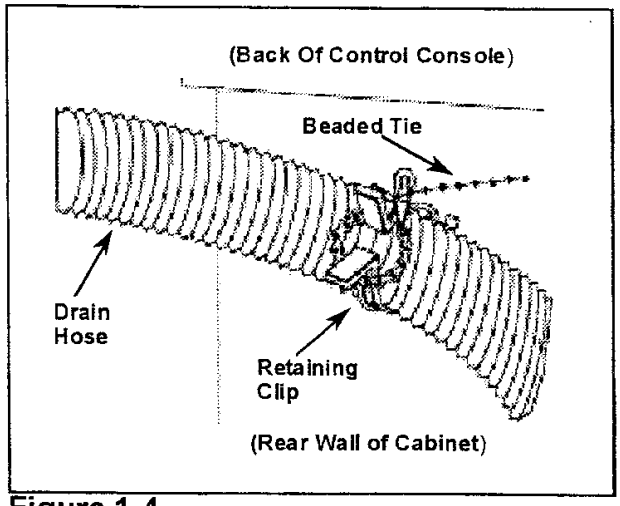


Figure 1-4

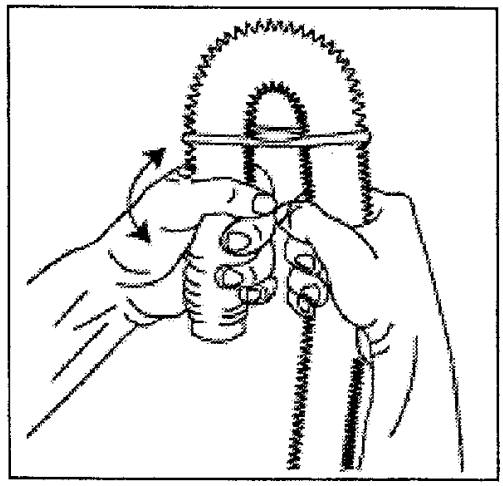

Figure 1-5

7. Pull the drain hose up vertically and snap the hose into the retaining clip positioned on the upper rear cabinet wall. ***(Figure 1-4)***

8. Install gooseneck end of drain hose into drain standpipe. Be sure the connection is not airtight between the drain hose and the standpipe. **Standpipe must be at least 36" high.** If the hose is twisted after it has been placed into the standpipe, adjust the end of the hose to remove the twist. To remove the twist, turn the short end of the hose while holding the base of the hose stationary. ***(Figure 1-5)***

9. **Note:** The drain hose should fit loosely in the standpipe to prevent siphoning. (An anti-siphon valve and associated parts are available from your dealer, part number **12001586**).

NOTE: ***BE SURE THE DRAIN HOSE IS NOT TWISTED OR KINKED.***

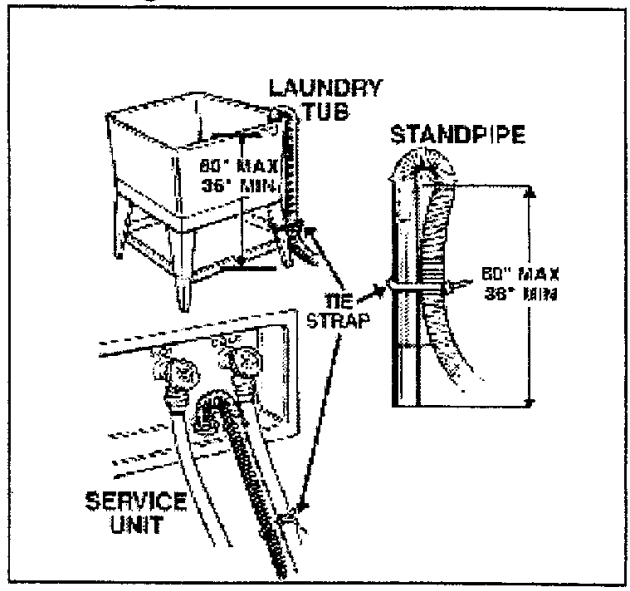


Figure 1-6


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14. Secure the drain hose to the standpipe or drain facility with the cable strap provided. This will ensure the drain hose will not fall out of the drain facility. ***(Figure 1-6)***

15. Connect inlet hoses to water supply using screen washers at faucet connections, with the domed screen facing the faucet. ***(Figure 1-7)*** Tighten hose connections by hand until snug. Then, turn another 2/3 of a turn with the pliers.

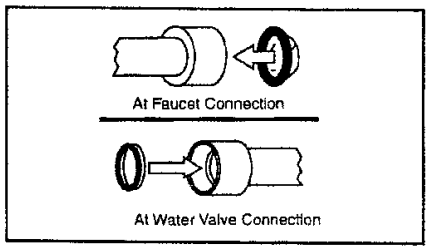


**Figure 1-7**

16. With hoses attached to both the faucets and the water valve, turn on the water and check for leaks . ***Note the H and C designations on the water valve bracket for the Hot and Cold hoses.***

17. Plug the power cord into an outlet.

18. Start the washer in a spin cycle, per operating instructions, to center basket.

19. Start the washer in a wash cycle, as per operating instructions. Allow water to fill in machine until it reaches the level of the bottom row of holes in the wash basket. Then, stop the washer by pushing on timer knob.

12. If the water is not level with the bottom row of holes all around the basket, **(Figure 1-9)** readjust the leveling feet as required to level. Then remove the water by selecting a spin cycle.

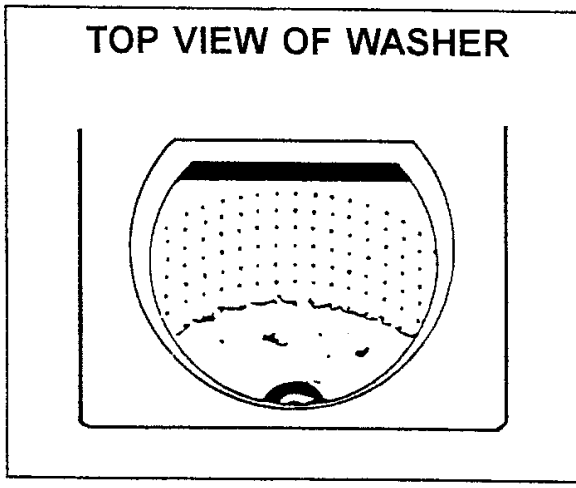


**Figure 1-8**

## FINAL INSTALLATION CHECK LIST

1. Have all installation requirements been observed?

2. Have locknuts on front feet been tightened?

3. Are there any kinks in the hoses?

4. Are any water leaks evident?

## UNIQUE INSTALLATIONS

**Painted/sloped basement floors** - Apply no slip discs, part number 211692, to the flo directly under the rubber feet of the washe

**Carpeted Floors** - Apply carpet installati discs, part number 204986.

**Weak Floors** - Install rear legs with plas grommets, part number 12001577, to be insert into baseframe to substitute for the self adjusti legs.

**Cold Storage or Installations** - Installatio in any location subject to freezing temperatures is not recommended. If the washer must be installed in such a location, it should be thoroughly drained afte each use as follows:


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- Turn off hot and cold water faucets.
- Disconnect both water inlet hoses at the faucets. Lower them to the floor.
- With the service cord connected to the electrical outlet, rotate the timer to the normal start or fill position and pull timer knob to start washer. Turn water temperature selector switch to warm.
- When water stops draining from the hoses, disconnect service cord.
- Lower the drain hose to the floor and allow it to drain into a floor drain or shallow pan.

In below-freezing temperatures, ice may form in the "fill" flume and the pump. Raise the room temperature and allow time for the ice to melt before using the washer.


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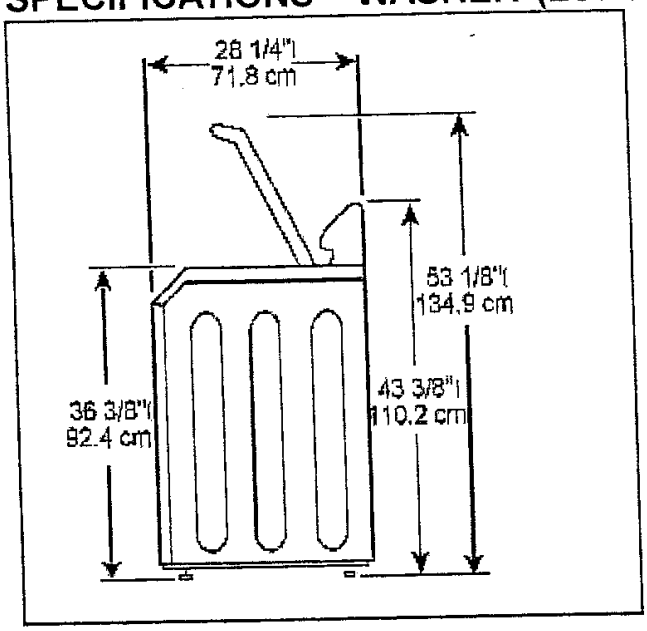
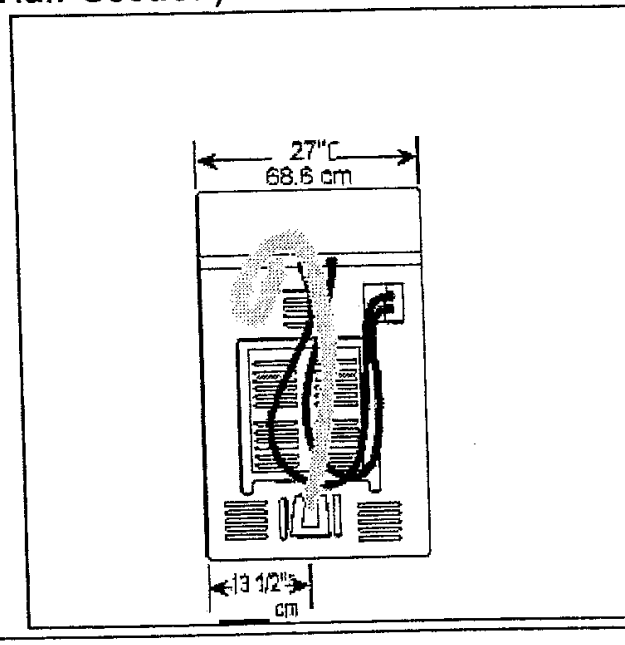
# SPECIFICATIONS - WASHER (Lower Half Section)




| | |
|---|---|
| CAPACITY | 3.2 Cubic Feet |
| ELECTRICAL | 120 Volts, 60 Hz; Requires 15 amp circuit breaker or fused electrical supply. Power cord must be connected to a properly grounded and polarized outlet. |
| MOTOR | 1/2 H.P., reversible, 2 Speed, 115 volt, 60 cycle A.C. |
| POWER USAGE | **Motor Input:** During Agitation* - 480 Watts Max. (Fast) 370 Watts Max. (Slow)<br>During Pump Out* - 760 Watts (Fast) 510 Watts Max. (Slow)<br>Spin - 460 Watts (Fast -Full Tub) 340 Watts (Slow - Full Tub)<br>[*Wattage readings taken with no clothes in spinner.] |
| TRANSMISSION | Rack and pinion type, incorporating reduction gears |
| WATER USAGE | Water pressure should be 20 - 120 P.S.I. (1.06-8.44 kg/cm) at inlet hose connection. (SEE PAGE 1-8 FOR MORE DETAILS) |
| HOSE LENGTHS | Four foot inlet hoses with inlet washers attached to water valve.<br>Drain hose attached to pump and will accommodate 36" high drain stand pipe |
| DIMENSIONS | Cabinet Dimensions: 27" (68.58cm) W x 27 (68.58cm) D x 43 3/8" (110.2cm) H |
| WEIGHT (Approx.) | Uncartoned 160 lb. (72.6 kg.) Approx. Crated 185 lb. (84 kg.) Approx |
| FINISH | Top Cover - Porcelain<br>Lid - Porcelain<br>Outer Tub - constructed entirely of polypropylene<br>Spin Basket - polypropylene<br>Cabinet - baked enamel<br>Base and other finished parts - baked primer |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| Setting | Gallons | *Depth Inches | *Basket Perforations |
|---|---|---|---|
| Mini | 10.5 | 6" | 3 1/2" |
| Medium | 14.1 | 8 1/2" | 5" |
| High | 19.5 | 11" | 7" |
| Super | 23.3 | 13 1/2" | 9 1/4" |

*Allowable variations are plus or minus 1/2 inch.

## *AGITATOR SPEED*

| | | |
|---|---|---|
| Regular Cycle | 88 Oscillations per minute | 155 Degree Arc |
| Slow (Delicate) Cycle | 57 Oscillations per minute | 155 Degree Arc |

## *SPIN SPEED*

| | |
|---|---|
| Regular Cycle | 620 R.P.M. |
| Slow (Fine Wash) Cycle | 410 R.P.M. |

**TABLE 1-1. AMPERAGE CHART**

| CYCLE | WATER LEVEL | *AMPS |
|---|---|---|
| Agitate-Regular | Full Tub | 10.4 |
| Agitate-Slow | Full Tub | 7.6 |
| Agitate-Regular | Dry Tub | 7.5 |
| Spin-Regular | Dry Tub | 10.2 |
| Spin-Slow | Dry Tub | 7.6 |
| Pump Out-Regular | Full Tub | 10.8 |
| Pump Out-Slow | Full Tub | 8.0 |

**TABLE 1-2. RESISTANCE CHART**

| COMPONENTS | *RESISTANCE (OHMS) |
|---|---|
| Timer Motor | 2360 |
| Mixing Valve | 500-1000 |
| *Cold* Solenoid | 853 |
| *Hot* Solenoid | 867 |
| **Drive Motor** | |
| *High* Speed | 1.3 |
| *Low* Speed | 2.3 |
| Start | 3.1 |

*** These values can vary slightly.**

**TABLE 1-3. WATTAGE CHART**

| CYCLE | *WATTAGE RANGE |
|---|---|
| Agitate-Regular Full Tub | 610-640 / 670 (MAX.) |
| Agitate-Slow Full Tub | 370-400 / 420 (MAX.) |
| Agitate-Regular Dry Tub | 460-470 / 480 (MAX.) |
| Agitate-Slow Dry Tub | 350-360 / 370 (MAX.) |
| Pump Out-Regular | 760 |
| Pump Out-Slow | 510 |
| Spin-Regular Full Tub | 460 |
| Spin-Slow Full Tub | 340 |

*** These will vary with washer load and line voltag**


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